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(54) Title: **EPAS1 GENE TRANSFER TO IMPROVE CELL THERAPY**

(57) Abstract: The present invention concerns the use of nucleotide sequences encoding EPAS1, HIF-1 α and HIF-3 α transcription factors and functional analogs for treating coronary and cardiac diseases in mammals. The use of such transcription factors and its analogs is useful in the treatment of disorders that may be treated by cell therapy such as peripheral vascular disease (PVD), neurodegenerative disease including Parkinson's syndrome, muscular dystrophies, stroke, diabetes, hemophilia, wound and others.

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